

AcerPower series

User's Guide

acer

Copyright© 2005 Acer Incorporated
All Rights Reserved

AcerPower series
User's Guide

Changes may be made periodically to the information in this publication without obligation to notify any person of such revisions or changes. Such changes will be incorporated in new editions of this manual or supplementary documents and publications. This company makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims the implied warranties of merchantability or fitness for a particular purpose.

Record the model number, serial number, purchase date, and place of purchase information in the space provided below. The serial number and model number are indicated on the label affixed to your computer. All correspondence concerning your unit should include the serial number, model number, and purchase information.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronically, mechanically, by photocopy, recording, or otherwise, without the prior written permission of Acer Incorporated.

Model number: _____

Serial number: _____

Purchase date: _____

Place of purchase: _____

Acer and the Acer logo are registered trademarks of Acer Inc. Other companies' product names or trademarks are used herein for identification purposes only and belong to their respective companies.

Contents

System tour	1
Front panel	1
Rear panel	1
System features	2
Performance	2
Multimedia	2
Connectivity	2
System peripherals	2
Mouse (PS/2 or USB, manufacturing option)	3
Keyboard (PS/2 or USB, manufacturing option)	3
Speakers	3
Setting up your computer	4
Necessary to know before setup	4
Selecting a location	4
Opening the package	4
Connecting peripherals	5
Starting your computer	5
Shutting down your computer	5
System upgrade	6
Opening the computer	6
Setting up new components	6
Troubleshooting	7
Taking care of your computer	9
Important tips	9
Cleaning and servicing	9
To clean your computer and keyboard	9
To clean your pointing device	10
To clean your optical mouse	10
To clean your monitor	10
When to contact a service technician	10
Asking for technical assistance	10
ENERGY STAR guidelines compliance	11
Declaration of conformity for EU countries	11
Modem notices	11
TBR 21	11
Important safety instructions	11
Lithium battery statement	13
Laser compliance statement	14
Declaration of conformity for CE marking	15
Federal Communications Comission declaration of conformity	17

Remark: All images are for reference purposes only.
Actual configuration may vary.

System tour

Your computer consists of the following:

Front panel

Icon	Description	Icon	Description
	Power button		Floppy drive (selected models only)
	Microphone jack		Optical drive (selected models only)
	Speaker or headphone jack		Media card reader (selected models only)
	USB port		IEEE 1394 port (selected models only)

Rear panel

Icon	Description	Icon	Description
	PS/2 keyboard connector		PS/2 mouse connector
	VGA port		Serial port (selected models only)
	Printer connector		USB port
	Microphone-in jack		RJ-45 Ethernet connector
	Line-in jack		Line-out / Speaker-out jack

System features

Performance

- AMD mainstream high-performance processor
- Expandable system memory
- Power management functionality
- 3.5" inch floppy drive (optional)
- Multimedia card reader (optional)
- CD-ROM, DVD-ROM, CD-RW (52X/24X), DVD/CD-RW combo or DVD writer (optional)
- High-capacity, PATA / SATA HDD (optional)
- Supports USB 2.0 high-performance peripherals

Multimedia

- Stereo-surround audio system via onboard audio controller
- Audio-in/line-in, audio-out/line-out, headphone-out and external microphone-in jacks

Connectivity

- Two PS/2 ports for keyboard and mouse
- One parallel port
- USB 2.0 ports (two front, others rear)
- High-speed V.92, 56K fax/data modem (optional)
- Ultra-fast Ethernet connection

System peripherals

The AcerPower series computer consists of the system itself and system peripherals, like a mouse, keyboard, and a set of speakers (all optional). This section provides a brief description of basic system peripherals.

Mouse (PS/2 or USB, manufacturing option)

The included mouse is a standard two-button wheel mouse. Connect the mouse to the PS/2 mouse port or USB port on the back panel of the system.



Keyboard (PS/2 or USB, manufacturing option)

Connect the keyboard to the PS/2 keyboard port or USB port on the back panel of the system.



Speakers

For systems bundled with speakers, before powering on the system, connect the speaker cable to the audio-out (external speaker) port on the back panel of the system.



Note: All images are for reference purposes only.
Actual configuration may vary.

English

For more detailed information about the speakers, please refer to the included operating instructions.



Note: Speakers are optional and the appearance might be different, depending on the actual product.

Setting up your computer

The AcerPower series is a versatile and powerful system, supporting an AMD CPU. The computer uses a state-of-the-art bus architecture, which improves system efficiency and helps the system support varied multimedia and software applications.

Your AcerPower series has standard I/O (input/output) interfaces such as a parallel port, PS/2 keyboard and mouse ports, USB ports, two microphone ports and stereo line-out jacks (one in front and one on the rear panel) and a stereo line-in jack. The system can accommodate extra peripheral equipment through these I/O ports.

Your system can also support an optional high-speed fax/data modem or an additional LAN (local area network) card.

Furthermore, the system is compatible with Microsoft® Windows® XP operating systems.

Necessary to know before setup

Selecting a location

Selecting the optimum location for your computer:

- Do not place the system too close to other electrical equipment.
- Do not place the system in high-traffic areas or where the power cord or other cords may be stepped on.
- Avoid placing the system in any location that is excessively dusty or damp.

Opening the package

Open the package carefully and keep all packing materials for later use.

Ensure that all items are present and in good condition. If any of the following items are missing or appear damaged, contact your dealer immediately:

- AcerPower series
- PS/2 or USB keyboard (manufacturing option)
- PS/2 or USB mouse (manufacturing option)
- Speakers (selected models only)
- User's Guide and Starter poster

Other user documentation and third-party software.

Connecting peripherals

After everything is connected, plug the power cord into the system and insert the other end into a power outlet.



Note: Don't connect the system power cord before connecting all peripherals to the system.

Starting your computer

After connecting all the peripheral equipment, start your computer according to the steps below:

- 1 Turn on all peripheral equipment, such as the monitor, printer, fax, speakers, etc.
- 2 Turn on the system. Once the start up process is complete, you can begin to use your computer.

Shutting down your computer

From the "Start" menu, select "Shut Down" and click OK.

In the event of a system crash, press and hold the power button on the front of the system for four seconds. After the system has shut down, turn off all peripheral devices.

System upgrade

You can expand your AcerPower series system quickly and easily by adding components. You can also upgrade the components of your AcerPower series system.

Opening the computer

Before removing any panels or covers, please make sure to shut off the computer and unplug the power cord from the outlet.

- Remove the two screws on the side panel.
- Slide the panel back and off.

Setting up new components

You can only use components compatible with AcerPower series computers. Before you choose new components, please ask your authorized Acer dealer whether the part will operate within your AcerPower series system.

In order to ensure proper setup and installation, please refer to the instructions provided with your new components.

Probable upgrades are:

- Upgrade to high-capacity HDD
- Expand high-level memory
- Upgrade from a CD-ROM drive to CD-RW, DVD-ROM, DVD/CD-RW combo or DVD writer
- Install additional interface cards in empty PCI slots, e.g., PCI fax/modem card

Troubleshooting

The following are possible situations that may arise during the use of your computer, and each is followed by simple answers and solutions.

Q: I pressed the power switch but the system did not boot up.

A: Check the LED located above the power switch.

If the LED is not lit, no power is being applied to the system. Do any of the following:

- Check if the voltage selector switch located on the rear panel of the computer is set to the correct voltage.
- Check if you have properly plugged the power cable into an electrical outlet.
- If you are using a power strip or AVR, make sure it is plugged in and turned on.

If the LED is lit, check the following:

- Is a non-bootable (non-system) floppy disk in the floppy drive? If yes, remove or replace it with a system floppy disk and press $<\text{Ctrl}> + <\text{Alt}> + <\text{Del}>$ to restart your computer.

Q: Nothing appears on the screen.

A: Your computer's power management function automatically blanks the screen to save power. Press any key to turn the display back on.

If pressing a key does not work, restart your computer. If restarting your computer does not work, contact your dealer or the technical support center for assistance.

Q: The printer does not work.

A: Do the following:

- Make sure the printer is connected to a power outlet and that it is turned on.
- Make sure the printer cable is connected securely to the system's parallel port and the corresponding port on the printer.
- For additional information concerning the printer, refer to the printer's documentation.

Q: No sound comes out of the speakers.

A: Check the following:

- The volume may be muted. Look for the Volume icon on the taskbar. If it is crossed-out, click on the icon and deselect the mute option. You can also press the volume control/mute knob on your USB keyboard to toggle the mute function.
- If headphones, earphones or external speakers are connected to the line-out jack of your computer, the internal or built-in speakers are automatically turned off.

Q: System cannot read floppy disk, hard disk, CD or DVD information.

A: Check the following:

- Make sure you are using the correct type of media.
- Check if the floppy disk is formatted correctly. If not, format it again.



Caution: If you reformat a floppy disk, you will lose all data on it.

Make sure the floppy disk, CD or DVD is inserted correctly (rightside up) into the proper drive (floppy disk goes into floppy drive, DVD goes into DVD drive).

- Check to be sure the CD or DVD is clean and unscratched.
- Check your drive by using a good (undamaged) floppy or optical disk. If your floppy, CD or DVD drive cannot read the information on the good floppy disk, CD or DVD, there may be a problem with the drive. Contact your dealer or technical support center for assistance.

Q: System cannot write to floppy disk, hard disk or optical disk.

A: Check the following:

- Make sure the media is not write-protected.
- Make sure you are using the correct type of floppy disk. Check if the floppy disk is formatted correctly. If not, format it again.



Caution: If you reformat a floppy disk, you will lose all data on it.

Taking care of your computer

Please read the instructions listed in this section. Following these instructions will help you maximize the durability of your computer.

Important tips

- Do not expose the computer to direct sunlight. Do not place it near sources of heat, such as a radiator.
- Do not subject the computer to magnetic fields.
- Do not expose the computer to rain or moisture.
- Do not spill water onto or into the computer.
- Do not subject the computer to heavy shock or vibration.
- Do not expose the computer to dust or dirt.
- Never place the system on uneven surfaces.
- Do not step on the power cord or place heavy objects on top of it. Carefully route the power cord and any cables away from foot traffic.
- When unplugging the power cord, do not pull on the cord itself but pull on the plug.
- The total ampere rating of the equipment plugged in should not exceed the ampere rating of the cord, if you are using an extension cord. Also, the total current rating of all equipment plugged into a single wall outlet should not exceed the fuse rating.
- Check the documentation that came with your software and/or drivers to see if you can select other settings to make viewing the screen more comfortable.

Cleaning and servicing

To clean your computer and keyboard

- 1 Turn off the computer and unplug the power cord.
- 2 Use a soft cloth moistened with water and gently wipe the exterior of the computer and the keyboard. Do not use liquid or aerosol cleaners.

To clean your pointing device

To clean your mouse (with roller ball)

- 1 Open the circular cover underneath the mouse.
- 2 Take out the roller ball and wipe it with a soft, damp cloth.
- 3 Put the ball back and replace the cover.

To clean your optical mouse

For users of an optical mouse, refer to the documentation that came with your mouse for maintenance instructions.

To clean your monitor

Make sure you keep your screen clean. For cleaning instructions, refer to the documentation that came with your monitor.

When to contact a service technician

- If you drop and damage the computer.
- If liquid has been spilled into the computer.
- If the computer is not operating normally.

Asking for technical assistance

For technical assistance, contact your local dealer or distributor.

You may also access the Acer Web site (www.acersupport.com) for information on how and where to contact the service centers available in your area.

ENERGY STAR guidelines compliance

As an Energy Partner, Acer Inc., has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Declaration of conformity for EU countries

Acer hereby declares that this personal computer is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Notice: Shielded cables

All connections to other computing devices must be made using shielded cables to maintain compliance with FCC regulations.

Notice: Peripheral devices

Only peripherals (input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this equipment. Operation with non-certified peripherals is likely to result in interference to radio and TV reception.

Modem notices

TBR 21

This equipment has been approved [Council Decision 98/482/EC - "TBR 21"] for pan-European single terminal connection to the Public Switched Telephone Network (PSTN). However, due to differences between the individual PSTNs provided in different countries, the approval does not, of itself, give an unconditional assurance of successful operation on every PSTN termination point. In the event of problems, you should contact your equipment supplier in the first instance.

Important safety instructions

Read these instructions carefully. Save them for future reference.

- 1 Follow all warnings and instructions marked on the product.
- 2 Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a water-moistened cloth for cleaning.
- 3 Do not use this product near water.
- 4 Do not place this product on an unstable cart, stand or table. If the product falls, it could be seriously damaged.

- 5 Slots and openings are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.
- 6 This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
- 7 Do not allow anything to rest on the power cord. Do not locate this product where people will walk on the cord.
- 8 If an extension cord is used with this product, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also, make sure that the total rating of all products plugged into the wall outlet does not exceed the fuse rating.
- 9 Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind onto or into the product.
- 10 Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.
- 11 Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a When the power cord or plug is damaged or frayed.
 - b If liquid has been spilled into the product.
 - c If the product has been exposed to rain or water.
 - d If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions, since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal condition.
 - e If the product has been dropped or the case has been damaged.
 - f If the product exhibits a distinct change in performance, indicating a need for service.
- 12 Use only the proper type of power supply cord set (provided in your accessories box) for this unit. It should be a detachable type : UL listed/CSA

certified, type SPT-2, rated 7A 125V minimum, VDE approved or its equivalent. Maximum length is 15 feet (4.6 meters).

- 13 Always disconnect all telephone lines from the wall outlet before serving or disassembling this equipment.
- 14 Avoid using a telephone line (other than the cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.

Lithium battery statement

CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to local regulations. Recycle if possible.

ADVARSEL!

Lithiumbatteri - Eksplosionsfare ved fejlagtig håndtering. Udskiftning må kun ske med batteri af samme fabrikat og type. Léver det brugte batteri tilbage til leverandøren.

ADVARSEL

Ekspløsionsfare ved feilaktig skifte av batteri. Benytt samme batteritype eller en tilsvarende type anbefalt av apparatfabrikanten. Brukte batterier kasseres i henhold til fabrikantens instruksjoner.

VARNING

Explosionsfara vid felaktigt batteribyte. Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion.

VAROITUS

Päristo voi räjähtää, jos se on virheellisesti asennettu. Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

VORSICHT!

Explosionsgefahr bei unsachgemäßen Austausch der Batterie Ersatz nur durch denselben oder einem vom Hersteller empfohlenem ähnlichen Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

Laser compliance statement

The CD or DVD drive used with this computer is a laser product. The CD or DVD drive's classification label (content shown below) is located on the drive.

CLASS 1 LASER PRODUCT

CAUTION: INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM.

APPAREIL A LASER DE CLASSE 1 PRODUIT

LASERATTENTION: RADIATION DU FAISCEAU LASER INVISIBLE EN CAS D'OUVERTURE. EVITTER TOUTE EXPOSITION AUX RAYONS.

LUOKAN 1 LASERLAITE LASER KLASSE 1

VORSICHT: UNSICHTBARE LASERSTRÄHLUNG, WENN ABDECKUNG GEÖFFNET NICHT DEM STRAHLL AUSSETZEN

PRODUCTO LÁSER DE LA CLASE I

ADVERTENCIA: RADIACIÓN LÁSER INVISIBLE AL SER ABIERTO. EVITE EXPONERSE A LOS RAYOS.

ADVARSEL: LASERSTRÅLING VEDÅBNING SE IKKE IND I STRÅLEN.

VARO! LAVATTAESSA OLET ALTTINA LASERSÄTEILYLLÉ.

VARNING: LASERSTRÅLNING NÅR DENNA DEL ÄR ÖPPNAD ÅLÅ TUIJOTA SÄTEESENSTIRRA EJ IN I STRÅLEN

VARNING: LASERSTRÅLNING NAR DENNA DEL ÄR ÖPPNADSTIRR EJ IN I STRÅLEN

ADVARSEL: LASERSTRÅLING NAR DEKSEL ÅPNESSTIRR IKKE INN I STRÅLEN

Declaration of conformity for CE marking

Name of manufacturer: Acer Inc.
 Address of manufacturer: 8F, 88, Sec. 1, Hsin Tai Wu Rd.
 Hsichih, Taipei Hsien 221
 Taipei, Taiwan
 Declares that product: Personal computer
 Model: AcerPower series

Conforms to the EMC Directive 89/336/EEC as attested by conformity with the following harmonized standards:

EN55022:1998/A1: 2000; AS/NZS CISPR 22: 2002: Limits and methods of measurement of radio interference characteristics of information technology equipment

EN55024: 1998/A1: 2001; AS/NZS CISPR 24: 1997: Information technology equipment - immunity characteristics -- limits and methods of measurement Including:

Standard	Description	Results	Criteria
EN61000-4-2: 1995/A1: 1998/A2: 2001 AS/NZS 61000.4.2: 2002	Electrostatic discharge	Pass	B
EN61000-4-3: 1996/A1: 1998/A2: 2001 AS/NZS 61000.4.3: 1999	Radio-frequency, electromagnetic field	Pass	A
EN61000-4-4: 1995/A1: 2001/A2: 2001 AS/NZS 61000.4.4: 1999	Electrical fast transient/burst	Pass	B
EN61000-4-5: 1995/A1: 2001 AS/NZS 61000.4.5: 1999	Surge	Pass	B
EN61000-4-6: 1996/A1: 2001 AS/NZS 61000.4.6: 1999	Conductive disturbance	Pass	A
EN61000-4-8: 1993/A1: 2001 AS/NZS 61000.4.8: 2002	Power frequency magnetic field	Pass	A
EN61000-4-11: 1994/A1: 2001 AS/NZS 61000.4.11: 1999	Voltage dips / short interruption and voltage variation		
	>95% in 10 ms	Pass	B
	30% in 500 ms	Pass	C
	>95% in 5000 ms	Pass	C

Standard	Description	Results
EN61000-3-2: 2000 AS/NZS 61000.3.2: 2003	Limits for harmonics current emissions	Pass

EN61000-3-3: 1995 A1: 2001/ AS/NZS 61000.3.3: 1998	Limits for voltage fluctuations and flicker in low-voltage supply systems	Pass
---	---	------

Conforms to the Low Voltage Directive 73/23/EEC as attested by conformity with the following harmonized standard:

EN60950: 2000 3rd: Safety of Information Technology Equipment Including Electrical Business Equipment.

This equipment has been approved by Council Decision 98/482/EC (CTR21) for pan-European single terminal connection to the Public Switched Telephone Network (PSTN).

We, Acer Inc., hereby declare that the equipment bearing the trade name and model number specified above was tested conforming to the applicable rules under the most accurate measurement standards possible, and that all the necessary steps have been taken and are in force to assure that production units of the same equipment will continue to comply with the requirements.

Easy Lai

Easy Lai, Director
Acer Incorporated

Federal Communications Comission declaration of conformity

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

The following local Manufacturer/Importer is responsible for this declaration:

Product name:	Personal computer
Model:	AcerPower series
Name of responsible party:	Acer America Corporation
Address of responsible party:	2641 Orchard Parkway San Jose, CA 95134 USA
Contact person:	Mr. Young Kim
Tel:	408-922-2909
Fax:	408-922-2606